

ABSTRACT OF THE DISCLOSURE

Disclosed are a polyester/clay nanocomposite, and a preparation method thereof, comprising mixing a cyclic ester oligomer with a layered clay having an enhanced hydrophobicity and directly polymerizing the cyclic ester oligomer. The polyester/clay nanocomposite has an excellent processibility due to its low melting viscosity and has excellent mechanical and electrical properties. Therefore, it can replace conventional polyester resin applied as electronic material, as well as can be used as a compatibilizing agent for increasing compatibility of the conventional polyester/clay composite.